

FASEB SUMMER CONFERENCE "LIPID MODIFICATIONS OF PROTEINS"**August 6-11 Copper Mountain, Colorado****Patrick J. Casey & Anant K. Menon, Co-Chairs****Protein Acylation - Enzymes**

J. Gordon (St. Louis) Protein N-myristoyltransferase

S. Hoffman (Dallas) Reversible palmitoylation of proteins

M. Linder (St. Louis) Protein palmitoyltransferase

GPI Anchoring - Structure and Biosynthesis

P. Englund (Baltimore) Fatty acid remodeling in GPI anchors

R.T. Schwarz (Marburg) Protozoal GPIs

- S. Udenfriend (Nutley) GPI transamidase

J. Vidugiriene (Madison) GPI topology

Prenylation - Mechanisms

C. Omer (West Point) Inhibition of farnesyltransferase

M. Seabra (Dallas) Prenylation of Rab proteins + *Cholesterol esterase*

F. Tamanoi (Los Angeles) Yeast protein prenyltransferases

Protein Acylation - Targeting and Control

T. Neubert (Palo Alto) Heterogeneous acylation in visual signaling

T. Jones (Bethesda) Control of G protein activity by acylation

*A. Magee (London) Acylation of nonreceptor tyrosine kinases***GPI Anchoring - Processing, Trafficking and Membrane Dynamics**

D. Harris (St. Louis) Internalization of GPI proteins

K. Jacobson (Chapel Hill) Lateral mobility of GPI proteins

P. Lipke (New York) Yeast GPIs

S. Mayor (New York) GPI protein clustering

Prenylation - Biological Aspects 1

S. Ferro-Novick (New Haven) Prenylation in membrane trafficking

Y. Fukada (Tokyo) Processing in G protein $\beta\gamma$ functions

J. Glomset (Seattle) Protein prenylation in general

Protein Acylation - Cellular Aspects

M. Bouvier (Montreal) G protein-coupled receptors

J. Buss (Ames) Targeting of Ras and related proteins

P. Skene (Durham) Palmitoylation in neuronal signaling

Prenylation - Biological Aspects 2

A. Cox (Chapel Hill) Signaling through the Ras pathway

M. Lai (Los Angeles) Hepatitis delta virus

*W. Maltase (San Diego) Prenylation in membrane trafficking***Lipid-Modified Proteins and Signal Transduction Pathways**

D. Brown (Stony Brook) Crosstalk of GPI proteins and tyrosine kinases

M. Lisanti (Cambridge) Caveoli and GPI proteins

D. Lublin (St. Louis) Dual acylation of tyrosine kinases

Additional speakers for each session will be chosen from submitted abstracts.